

## **CLAIMS**

1. (previously presented) A system for manipulating and updating data in a backend system, said apparatus comprising:
  - a messaging client for exchanging messages over a network with a messaging server to and from other messaging clients and said backend system;
  - and
  - an automated agent for:
    - accepting requests and issuing responses;
    - obtaining and using data input from said messaging client to determine said manipulating and updating of data;
    - asking a series of questions to said messaging client to determine intent;
    - initiating messaging communications to said other messaging clients and mediating a discussion related to said input data;
    - proactively sending, to said messaging client, messages comprising, but not limited to, alerts and reminders; and
    - determining resource availability;
  - said automated agent being coupled between said messaging server and said backend system.
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Previously Presented) The system of Claim 1, wherein said automated agent appears as a buddy on a buddy list.
6. (Previously Presented) The system of claim 4, wherein said other messaging clients are associated with prospective meeting attendees and said discussion relates to a meeting of said attendees.

7. (Previously Presented) The system of Claim 1, wherein said automated agent is capable of responding with any of, but not limited to: information, confirmation, availability, and a request for additional information.

8. (Previously Presented) The system of Claim 1, wherein said messaging client exchanges messages via said network with said messaging server by any of, but not limited to:

- two-way messaging;
- email;
- a paging network; and
- instant messaging systems.

9. (Canceled)

10. (Canceled)

11. (Previously Presented) The system of Claim 1, wherein said messaging clients engage in dialogs with said automated agent.

12. (Cancelled)

13. (previously presented) A method for manipulating and updating data in a backend system, said method comprising:

- providing a messaging client for exchanging messages over a network with a messaging server to and from other messaging clients and said backend system;
- and

- providing an automated agent which is coupled between said messaging server and providing said backend system, which is capable of accepting requests and issuing responses, and which obtains and uses data input from said messaging client to determine said manipulating and updating of data;

- asking a series of questions to said messaging client by said automated agent to determine intent;

- proactively sending, to said messaging client, messages comprising, but not limited to, alerts and reminders; and

determining resource availability; and  
wherein said automated agent initiates messaging communications to said other messaging clients and mediates a discussion related to said input data.

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Original) The method of Claim 13, wherein said automated agent appears as a buddy on a buddy list.

18. (Canceled)

19. (Original) The method of Claim 13, wherein said automated agent is capable of responding with any of, but not limited to: information, confirmation, availability, and a request for additional information.

20. (Previously Presented) The method of Claim 13, wherein said messaging client exchanges messages via said network with said messaging server by any of, but not limited to:

two-way messaging;  
email;  
a paging network; and  
instant messaging systems.

21. (Canceled)

22. (Canceled)

23. (Previously Presented) The method of Claim 13, wherein said messaging clients engage in dialogs with said automated agent.

24. (Cancelled)

25. (previously presented) A computer readable storage medium encoded with instructions, which when loaded into a digital computational device establishes a robot agent for receiving Instant Messages from a first user-client and responsively interacting between the first user-client, a calendar server system, and other user-clients to enable each of the user-clients to enter queries and updating data into, and to receive queries and data from, the calendar server system;

said robot agent including means for:

asking a series of questions to said messaging client to determine intent;

proactively sending, to said messaging client, messages comprising, but not limited to, alerts and reminders;

determining resource availability; and

initiating messaging communications to said other user-clients and mediating a discussion related to data input by said first-user client.